

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-77. (Cancelled)

78. (Currently Amended) A laser light source, comprising:

a distributed feedback type semiconductor laser for emitting laser light;

a semiconductor laser amplifier for amplifying the laser light; and

an optical wavelength conversion element for receiving the amplified laser light so as to generate a harmonic wave, the optical wavelength conversion element having periodic domain inverted structures,

~~wherein the distributed feedback type semiconductor laser is wavelength-locked, and~~

~~wherein an RF superimposition is performed for the distributed feedback type semiconductor laser~~

wherein the optical wavelength conversion element is formed of a stable proton exchange layer whose refractive index does not vary with time during operation.

79. (Previously Presented) A laser light source according to claim 78, wherein the optical wavelength conversion element has a modulation function.

80. (Previously Presented) A laser light source according to claim 78, wherein the optical wavelength conversion element is formed in an $\text{LiNb}_x\text{Ta}_{1-x}\text{O}_3$ ($0 \leq x \leq 1$) substrate.

81. (Cancelled)

82. (Previously Presented) A laser light source according to claim 78,

wherein an optical waveguide is formed on the optical wavelength conversion element, and

wherein a width and a thickness of the optical waveguide are each 40 μm or greater.

83. (Previously Presented) A laser light source according to claim 82, wherein the optical wavelength conversion element has a modulation function.

84. (Previously Presented) A laser light source according to claim 82, wherein the optical wavelength conversion element is formed in an $\text{LiNb}_x\text{Ta}_{1-x}\text{O}_3$ ($0 \leq x \leq 1$) substrate.

85. (Previously Presented) A laser light source according to claim 82, wherein the optical waveguide is of a graded type.

86-87. (Cancelled).